

## Embassy of the United States of America



Islamabad, Pakistan  
Date: August 23, 2016  
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To: Offeror

Request Number: **SPK33016Q5824**

From: Contracting Officer  
General Services Office  
US Embassy  
Diplomatic Enclave, Ramna 5  
Islamabad

Fax: 92-51-2338103

E-mail: [ShahzadK2@state.gov](mailto:ShahzadK2@state.gov) & [LatifM@state.gov](mailto:LatifM@state.gov)

Phone: 92-51-201-5464

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Subject: **Request for Price/Technical Proposal (Quotation) – Replacement of old chiller for Lahore consulate.**

The Embassy requests your price quote **on a priority basis** for the **following item/Services:**

**1. STATEMENT OF WORK:**

**Replacement of old chiller for Lahore consulate**

- 1.0 The US Embassy Islamabad wants to replace the existing water cooled chiller installed at US consulate Lahore with its associated pumps. The existing Daikin chiller is of old version and required to be replaced..

**1. GENERAL:**

The contractor shall be required to prepare reports, bill of materials, catalog cuts, schedules and cost estimates. These documents shall provide the necessary interfaces, coordination, and communication among the Embassy, and the contractor.

## **2. LOCATION:**

The work location is U.S. Consulate 50 Empress Road, Lahore.

## **3. SCOPE OF SERVICES:**

The contractor shall provide labor, material, equipment and supervision to complete the technical requirements in this statement of work. Complete supply, erection, commissioning, installation & testing of 83 ton capacity water cooled chiller at Lahore (Pakistan). The system must be compatible with the existing system.

The work consists of, but is not limited to, the following:

## **TECHNICAL DETAILS:**

- Chiller type: water cooled chiller, floor mounted with all components complete unit.
- Make: USA/ UK/Germany
- Capacity: 83 ton (**Existing chiller data and name plate attached**)
- Compressor type: hermetic centrifugal/screw compressor with high strength aluminum alloy fully shrouded impeller.
- Refrigerant type: R134/R410-a
- Condenser & evaporator: high efficiency condenser with copper tubing. Meets as ASME standards (boilers and pressure vessel codes) or (European codes and standards).
- Power supply: 3-phase, 400 v, 50 hz.
- Efficiency level: 16 EER at full load
- Performance compliance: ASHRAE- standard 90.1-2010, equivalent certification), or proof of compliance of equivalent safety standards.
- Seismic compliance: IBC (international building codes) standards.
- Rated to operate: at 500-600 meter above sea level
- Sound level: 60 db

## **Provide chiller with following additional features:**

- Economizer
- Seismic/ vibration isolators.
- Remote interface panels for remote monitoring, fault alarm management.
- Automatic logging of any fault condition.
- Provision of strainers in evaporator supply heads
- Features for integration into BMS. The existing BMS is Barber – coleman, Network 8000. GCM
- Provision of suction & discharge service valves to isolate each compressor.
- Single point power connection.
- Complete electrical system including circuit breakers & starters.
- Disconnect switch.

## **Pumps:**

### **Condenser pump:**

- Rate of flow 390GPM
- Head pressure 60 feet

- RPM 1450

**Chilled water pump:**

- Rate of flow 366GPM
- Head pressure 97 feet
- RPM 1450

**Note:** pumps must be compatible with new chiller and existing system. Pumps should be equivalent to existing PULLEN, Made in England

**Ensure following technical parameters**

- Comply with water inlet and outlet connections shown on the unit.
  - Use an expansion device to maintain pressure in the circuit and install safety valve and expansion tank.
  - Check the thermometers installed at entering and leaving water connections and replace if necessary.
  - Check for the drain points at lowest point to allow whole circuit to be drained.
  - Install stop valves, close to entering and leaving water connections.
  - Use flexible connections to reduce the transmission of vibrations where needed.
  - Insulate all pipe work after testing for leaks to reduce heat gains and to prevent condensation.
  - Cover the insulation with vapor barrier.
  - Strainer should be provided ahead of pumps.
  - Contractor shall dismantle, remove from site and take the old chiller and accessories.
  - Contractor may need to transport new chiller in parts through service elevator to the plant room. Any damage during the transportation shall be responsibility of the contractor.
  - Contractor shall provide two sets of maintenance and repair, and operational manuals and list of recommended spare parts.
  - Contractor shall provide one year warranty of equipment installed after commissioning of the system.
  - Contractor shall provide training to maintenance staff for M&R and operation of the system. The training shall include hands on and class room presentation. Assist maintenance staff with baseline documentation of chiller system performance and alarm histories, familiarization of the chiller components and systems. Discuss routine maintenance and maintenance documentation. Recommend further service, repair or maintenance and PM procedures. Recommend and discuss chiller specific tools and test instruments.
  - AP Aurora heavy duty sealed pump (International standard), Pak steel MS pipe or imported (No Chinese) available in Pakistan, heavy duty butterfly valves (Nibco or equivalent).
  - The piping shall be Pak steel MS pipe or imported (No Chinese) available in Pakistan, heavy duty butterfly valves (Nibco or equivalent)
- All foundations will be rebuilt with vibration control barrier

**General requirements**

- Remove waste materials, rubbish, and debris from site and legally dispose of at public or private dumping areas off the consulate property.
- Oversee cleaning and ensure that building and grounds are maintained free from accumulations of waste materials and rubbish.
- The Contractor shall designate a representative who shall supervise the Contractor's technicians and be the Contractor's liaison with the American Embassy. The Contractor's employees shall be on-site only for contractual duties and not for any other business or purpose.

- The Government reserves the right to deny access to U.S.-owned and U.S.-operated facilities to any individual. The Contractor shall provide the names, biographic data and police clearance on all Contractor personnel who shall be used on this Contract prior to their utilization.
- Contractor vehicles will not be permitted inside the embassy compound without prior approval. If you need to have vehicle access please submit your vehicle information (Make, Model, License Plate #) along with a written justification as to why access is necessary.
- The Contractor shall not condone disorderly conduct, use of abusive or offensive language, quarreling, and intimidation by words, actions, or fighting. Also included is participation in disruptive activities that interfere with normal and efficient Government operations.
- Follow site safety procedures and supervisor's instructions.
- Schedule outage with operating personnel. personnel (minimum 24 hours in advance of planned shutdown)
- Use extreme caution when climbing roof access ladders.
- Perform applicable lockout/tag out steps of site safety procedures.
- Record and report equipment damage or deficiencies.
- Review and follow the manufacturer's O&M instructions.
- Follow safety and environmental procedures for the handling and disposing of refrigerants and compressor oil.
- Don't vent refrigerants. Refrigerants must be recovered.
- Record quantities of refrigerants and compressor oil, added or removed.
- Record results in the equipment history log.
- Check manufacturer's specifications for the maximum number of plugged tubes.
- Period of performance for job completion shall be no greater than 15 days. Please note: standard work week is Monday through Saturday; permitted working hours are from 0730 to 1830. Working days/hours outside of these parameters must be approved by the COR.
- Schedule to be approved by COR prior to start work.

#### **CRITERIA:**

- The contractor shall perform the job in accordance with ASHRAE International Codes and standards and local host country codes.
- ASTM Standards

#### **Additional Requirement/ Information on RFQ;**

1. Existing chiller capacity is 286KW (975872 BTU)
2. Condenser pumps required (2 each)
3. Chilled water Pumps required (2 each)
4. Existing automatic dozing system which was installed about five years before and is not in operation. Vendor shall make it functional and the system will be connected to both chillers.
5. We should also need to mention expected delivery time of new unit.
6. Project execution time after delivery of equipment should be 25 working days.

#### **End of Scope of Work**

#### **TERMS & CONDITIONS**

##### **1. Payment Terms:**

Payment will be processed through Electronic Fund Transfer (EFT) within 30 days of the date that a correct invoice conforming to the provisions of the Purchase Order is received at the Department of State Financial Management Office AND satisfactory completion of work/delivery of acceptable items/services at US Consulate Lahore..

## **2. SUBMISSION OF INVOICE:**

Each invoice shall include vendor invoice number, purchase order/contract number, date issued, brief description of supplies/services provided, quantities, unit and total price, and signed by the signing authority.

Invoices must be routed to:

1. One original invoice in pdf format to the Financial Management Center to [IslamabadFMC-Invoice@state.gov](mailto:IslamabadFMC-Invoice@state.gov)
2. One copy clearly marked "DUPLICATE Copy for GSO – original submitted to FMO" to [Islamabad\\_GSO\\_Procurement@state.gov](mailto:Islamabad_GSO_Procurement@state.gov)

Although email is the preferred method, invoices may also be submitted by mail (do not also send electronically if you mail the invoice to the following address):

Financial Management Officer (FMO)  
US Embassy, Diplomatic Enclave  
Ramna-5, Islamabad

For payment related queries contractor will contact Financial Management Officer (FMO) [IslamabadFMC-Invoice@state.gov](mailto:IslamabadFMC-Invoice@state.gov). Contracting Officer takes no responsibility for payment and/or associated queries.

## **3. INSPECTION & ACCEPTANCE:**

A Government representative will inspect from time to time the services being performed to determine whether work is being performed in a satisfactory manner and of acceptable quality.

## **4. Evaluation Criteria:**

The Government intends to award a contract/purchase order resulting from this solicitation to the lowest priced, technically acceptable offeror/quoter who is a responsible contractor. The evaluation process shall include the following:

The Government will determine contractor responsibility by analyzing whether the apparent successful offeror complies with the requirements including:

- Adequate financial resources or the ability to obtain them;
- Satisfactory record of integrity and business ethics;
- Necessary organization, experience, and skills or the ability to obtain them;
- Necessary equipment and facilities or the ability to obtain them
- The offeror shall address its plan to obtain all licenses and permits required by local law (If offeror already possesses the locally required licenses and permits, a copy shall be provided)

## **5. PREPARATION/PROTECTION OF WORK AREA**

Installation shall not disturb or damage any fixed property. The Contractor shall move, protect and return such property to its original position upon completion of work in that area.

The Contractor shall first remove or protect furnishings by appropriate covering. The Contractor shall also equip ladders and scaffolding with clean rubber shoes or similar protection devices if required.

## **6. INSURANCE:**

The contractor is responsible for obtaining whatever insurance is necessary according to local laws.

The contractor agrees that the U.S. Government shall not be responsible for personal injuries or for damages to any property of the contractor, its officers, agents, servants, and employees, or any other person, arising from or incidental to the contractor's performance. The contractor shall hold harmless and indemnify the U.S. Government from any and all claims arising there from, except in the instance of gross negligence on the part of the U.S. Government.

## **7. SAFETY:**

The Contractor shall maintain schedules (if any) provided by the U.S. Embassy. The Contractor shall be responsible for quality control and perform inspection visits to storage/auction place on a regular basis.

The Contractor is responsible for safety and shall comply with all local labor laws, regulations, customs, and practices pertaining to labor, safety, and similar matters. The Contractor shall promptly report all accidents resulting in lost time, disabling, or fatal injuries to the U.S. Embassy POC. Contractor shall provide proper scaffolding and fall protection. The scaffolding shall be steel pipes structure and strong enough to supporting at least four times the maximum intended load.

Any person working at a height greater than six feet (1.8 meters) shall be provided with fall protection. Regardless of height, if a worker can fall into or onto dangerous machines or equipment (such as an air conditioner or cement mixer) employers must provide fall protection.

The contractor is responsible to take appropriate measures in terms of safety (safety equipment and other adequate steps required by U.S. as well as local law) of the U.S. Government property and contractor's employees. U.S. Government will take no responsibility of any incident occurring because of contractor's negligence, safety violations and consequently any damages to the contractor's property and/or personnel.

## **8. FAR/DOSAR CLAUSES:**

Below FAR & DOSAR clauses will apply to this purchase order

## **9. DOSAR 652.236-70            ACCIDENT PREVENTION (APR 2004)**

(a) General. The contractor shall provide and maintain work environments and procedures which will safeguard the public and Government personnel, property, materials, supplies, and

equipment exposed to contractor operations and activities; avoid interruptions of Government operations and delays in project completion dates; and, control costs in the performance of this contract. For these purposes, the contractor shall:

- (1) Provide appropriate safety barricades, signs and signal lights;
- (2) Comply with the standards issued by any local government authority having jurisdiction over occupational health and safety issues; and,
- (3) Ensure that any additional measures the contracting officer determines to be reasonably necessary for this purpose are taken.
- (4) For overseas construction projects, the contracting officer shall specify in writing additional requirements regarding safety if the work involves:
  - (i) Scaffolding;
  - (ii) Work at heights above two (2) meters;
  - (iii) Trenching or other excavation greater than one (1) meter in depth;
  - (iv) Earth moving equipment;
  - (v) Temporary wiring, use of portable electric tools, or other recognized electrical hazards. Temporary wiring and portable electric tools require the use of a ground fault circuit interrupter (GFCI) in the affected circuits; other electrical hazards may also require the use of a GFCI;
  - (vi) Work in confined spaces (limited exits, potential for oxygen less than 19.5 percent or combustible atmosphere, potential for solid or liquid engulfment, or other hazards considered to be immediately dangerous to life or health such as water tanks, transformer vaults, sewers, cisterns, etc.);
  - (vii) Hazardous materials – a material with a physical or health hazard including but not limited to, flammable, explosive, corrosive, toxic, reactive or unstable, or any operations which creates any kind of contamination inside an occupied building such as dust from demolition activities, paints, solvents, etc.; or
  - (viii) Hazardous noise levels.
- (b) Records. The contractor shall maintain an accurate record of exposure data on all accidents incident to work performed under this contract resulting in death, traumatic injury, occupational disease, or damage to or theft of property, materials, supplies, or equipment. The contractor shall report this data in the manner prescribed by the contracting officer.
- (c) Subcontracts. The contractor shall be responsible for its subcontractors' compliance with this clause.
- (d) Written program. Before commencing work, the contractor shall:

(1) Submit a written plan to the contracting officer for implementing this clause. The plan shall include specific management or technical procedures for effectively controlling hazards associated with the project; and,

(2) Meet with the contracting officer to discuss and develop a mutual understanding relative to administration of the overall safety program.

(e) Notification. The contracting officer shall notify the contractor of any non-compliance with these requirements and the corrective actions required. This notice, when delivered to the contractor or the contractor's representative on site, shall be deemed sufficient notice of the non-compliance and corrective action required. After receiving the notice, the contractor shall immediately take corrective action. If the contractor fails or refuses to promptly take corrective action, the contracting officer may issue an order suspending all or part of the work until satisfactory corrective action has been taken. The contractor shall not be entitled to any equitable adjustment of the contract price or extension of the performance schedule on any suspension of work order issued under this clause.

(End of clause)

**CLAUSES FOR PURCHASE ORDERS AND BLANKET PURCHASE AGREEMENTS  
AWARDED BY OVERSEAS CONTRACTING ACTIVITIES**  
(Current thru FAC 2005-36)

**COMMERCIAL ITEMS**

FAR 52.252-2 Clauses Incorporated By Reference (FEB 1998)

This purchase order or BPA incorporates the following clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <http://www.acqnet.gov/far>

DOSAR clauses may be accessed at: <http://www.statebuy.state.gov/dosar/dosartoc.htm>

NUMBER	TITLE	DATE
52.204-9	Personal Identity Verification of Contractor Personnel (if contractor requires physical access to a federally-controlled facility or access to a Federal information system)	SEPT 2007
52.212-4	Contract Terms and Conditions – Commercial Items (Alternate I (OCT 2008) of 52.212-4 applies if the order is time-and-materials or labor-hour)	MAR 2009
52.225-19	Contractor Personnel in a Diplomatic or Consular Mission Outside the United States (applies to services at danger pay posts only)	MAR 2008

52.228-3	Workers' Compensation Insurance (Defense Base Act) (if order is for services and contractor employees are covered by Defense Base Act insurance)	APR 1984
52.228-4	Workers' Compensation and War-Hazard Insurance (if order is for services and contractor employees are not covered by Defense Base Act insurance)	APR 1984
52.228-5	"Insurance - Work on a Government Installation" to provide whatever insurance is legally necessary. The Contractor shall at its own expense provide and maintain during the entire performance period the following insurance amounts:	

The following clause is provided in full text:

52.212-5 Contract Terms and Conditions Required to Implement Statutes or Executive Orders - Commercial Items (SEP 2009)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses, which are incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

- (1) 52.222-50, Combating Trafficking in Persons (FEB 2009) (U.S.C. 7104(g))  
\_\_\_\_ Alternate I (AUG 2007) of 52.222-50 (U.S.C. 7104(g))
- (2) 52.233-3, Protest After Award (AUG 1996) (31 U.S.C. 3553).
- (3) 52.233-4, Applicable Law for Breach of Contract Claim (OCT 2004) (Pub. L. 108-77, 108-78).

(b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the contracting officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

652.228-71	Workers Compensation Insurance (Defense Base Act) – Services (for services to be performed overseas when the contract includes covered contractor employees as defined in paragraph (a) of the clause) Fill-in for paragraph (c): “(c) The current rate under the Department of State contract is [contracting officer insert rate] of compensation for services.”	JUNE 2006
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52.249-4, Termination for Convenience of the Government (Services) (Apr 1984).

52.249-8, Default (Fixed price Supplies and Services) (Apr 1984)

## **10. Site Visit:**

The site visit will be held on **August 30, 2016 at 11:00 a.m** at U.S. Consulate, Lahore. Offerors interested in attending must e-mail: [Shahzadk2@state.gov](mailto:Shahzadk2@state.gov) on or before **12.00 noon August 26, 2016**. A maximum of two persons from one firm may participate in the site visit/pre-proposal conference. Interested offerors must provide full name of participant(s) (as written on CNIC), CNIC number

**Offer Due Date:**

1. Your quotation (Price/Technical) must be submitted through courier in a sealed envelope marked **"Quotation Enclosed (SPK-330-16-Q-5824)"** to **GSO Procurement, American Embassy, Ramna-5, Islamabad on or before 1500 hrs on September 09, 2016** or you can submit your quote (Technical and Price Proposal) via Email to following email addresses:

[LatifM@state.gov](mailto:LatifM@state.gov),  
&  
[ShahzadK2@state.gov](mailto:ShahzadK2@state.gov)

2. Please prepare a quotation on your company letterhead.
3. Please quote our **Request for Quotation (RFQ)#SPK33016Q5824** in all your correspondence regarding this request for price quotation and technical proposal.
4. Quote Validity should be for at least 60 days.